

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Jeffrey Reyes Examiner #: 78264 Date: 4/16/03
 Art Unit: 1625 Phone Number 30 605 1153 Serial Number: 09 986 629
 Mail Box and Bldg/Room Location: 3001 - 4A 16 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

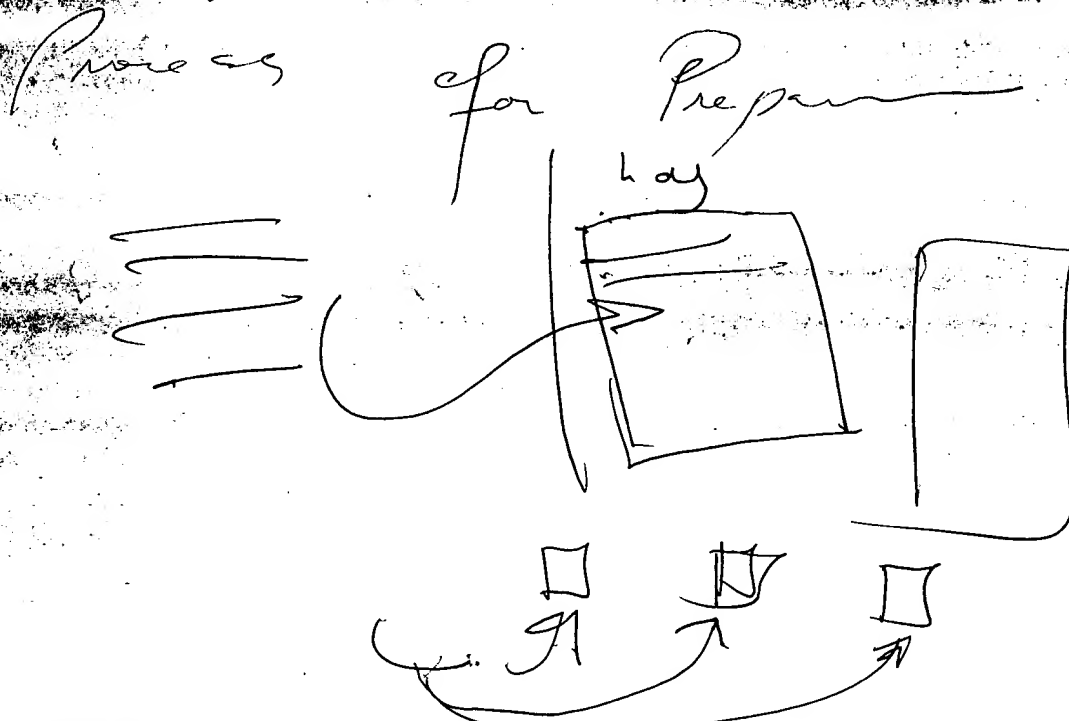
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: See Pat Copy

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

 For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

**STAFF USE ONLY****Type of Search****Vendors and cost where applicable**

Searcher: Sheppard NA Sequence (#) _____ STN _____
 Searcher Phone #: 308-4499 AA Sequence (#) _____ Dialog _____
 Searcher Location: _____ Structure (#) _____ Questel/Orbit _____
 Date Searcher Picked Up: _____ Bibliographic _____ Dr. Link _____
 Date Completed: 4/17/03 Litigation _____ Lexis/Nexis _____
 Searcher Prep & Review Time: _____ Fulltext _____ Sequence Systems _____
 Clerical Prep Time: _____ Patent Family _____ WWW/Internet _____
 Online Time: _____ Other _____ Other (specify) _____

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 16:52:42 ON 17 APR 2003

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2003 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 17 Apr 2003 VOL 138 ISS 16

FILE LAST UPDATED: 16 Apr 2003 (20030416/ED)

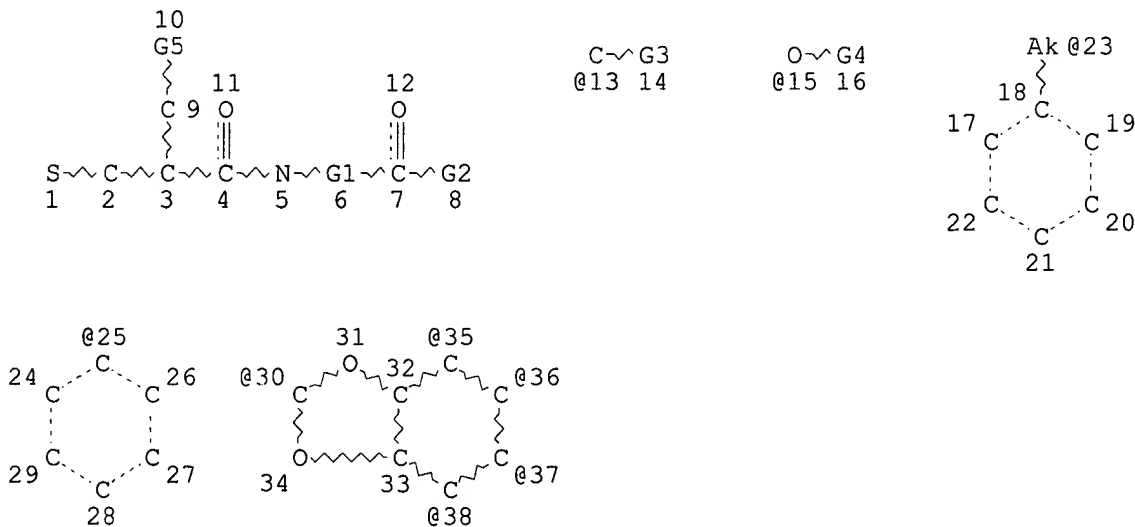
This file contains CAS Registry Numbers for easy and accurate substance identification.

=>

=>

=> d stat que 126

L1 STR



VAR G1=CH2/13

VAR G2=OH/15

VAR G3=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU

VAR G4=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU/23

VAR G5=25/35/36/37/38/30

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

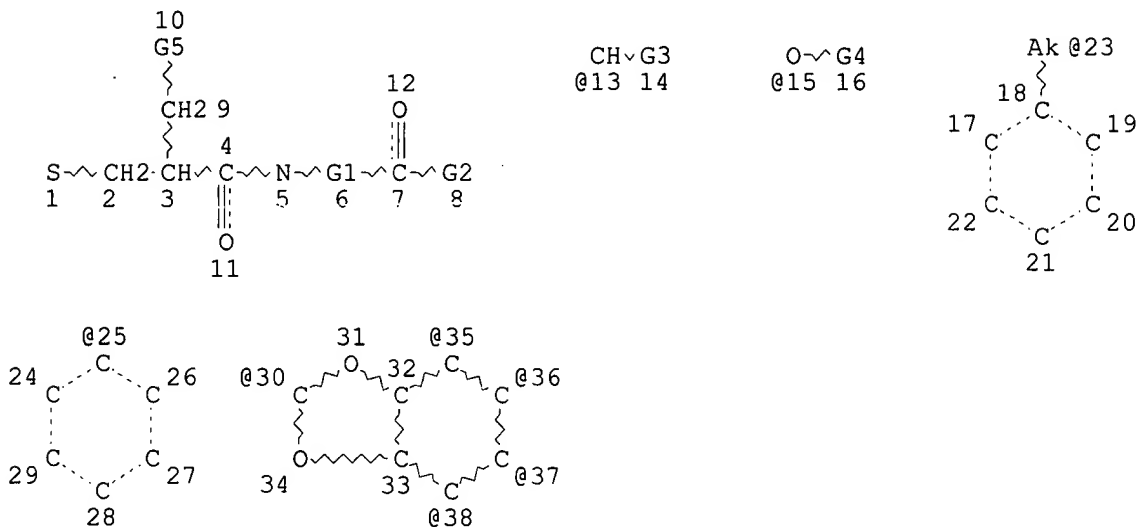
RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 38

STEREO ATTRIBUTES: NONE

L3 462 SEA FILE=REGISTRY SSS FUL L1

L4 STR



VAR G1=CH2/13

VAR G2=OH/15

VAR G3=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU

VAR G4=ME/ET/I-PR/N-PR/I-BU/N-BU/T-BU/S-BU/23

VAR G5=25/35/36/37/38/30

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

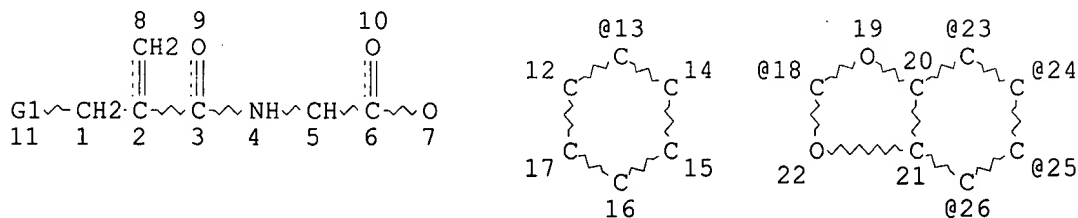
NUMBER OF NODES IS 38

STEREO ATTRIBUTES: NONE

L5 304 SEA FILE=REGISTRY SUB=L3 SSS FUL L4

L6 382 SEA FILE=HCAPLUS ABB=ON PLU=ON L5

L18 STR



VAR G1=13/18/23/24/25/26

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

L20 15 SEA FILE=REGISTRY SSS FUL L18

L21 15674 SEA FILE=REGISTRY ABB=ON PLU=ON ACRYLAMID?

L22 10 SEA FILE=HCAPLUS ABB=ON PLU=ON L20
 L23 150299 SEA FILE=HCAPLUS ABB=ON PLU=ON L21 OR ?ACRYLAMID?
 L24 8 SEA FILE=HCAPLUS ABB=ON PLU=ON L6 AND L22
 L25 4 SEA FILE=HCAPLUS ABB=ON PLU=ON L6 AND L23
 L26 11 SEA FILE=HCAPLUS ABB=ON PLU=ON L24 OR L25

=>
 =>

=> d ibib abs hitrn l26 1-11

L26 ANSWER 1 OF 11 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:354100 HCAPLUS
 DOCUMENT NUMBER: 136:355480
 TITLE: Process for the synthesis of N-(mercaptoacyl) amino acid derivatives from .alpha.-substituted acrylic acids
 INVENTOR(S): Monteil, Thierry; Danvy, Denis; Plaquevent, Jean-christophe; Duhamel, Pierre; Duhamel, Lucette; Lecomte, Jeanne-marie; Schwartz, Jean-charles; Piettre, Serge
 PATENT ASSIGNEE(S): Fr.
 SOURCE: U.S. Pat. Appl. Publ., 9 pp.
 CODEN: USXXCO
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002055645	A1	20020509	US 2001-986629	20011109
FR 2816309	A1	20020510	FR 2000-14419	20001109
FR 2816309	B1	20021227		
EP 1205476	A1	20020515	EP 2001-402833	20011031
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2002234869	A2	20020823	JP 2001-341890	20011107
PRIORITY APPLN. INFO.:			FR 2000-14419	A 20001109

OTHER SOURCE(S): CASREACT 136:355480; MARPAT 136:355480

AB Amino acid derivs. R4SCH2CH(CH2R1)CONHCHR2CO2R3 [I; R1 = Ph or 3,4-methylenedioxyphenyl; R2 = H or alkyl; R3 = H, alkyl, or phenylalkyl; R4 = aliph. or arom. acyl] were prep'd. via Michael addn. of a thioacid R4SH to an .alpha.-substituted **acrylamide** deriv. The invention also relates to the enantioselective synthesis of compds. I where R2 is other than H, in the preferential (S,S) configuration:. Thus, benzyl N-(S)-[2-[(acetylthio)methyl]-1-oxo-3-(3,4-methylenedioxyphenyl)propyl]-(S)-alaninate (fasidotril) was prep'd. in 30% overall yield by conversion of piperonylacrylic acid to the acid chloride, coupling with benzyl (methylsulfonyl)-L-alaninate, and Michael addn. reaction with thioacetic acid.

IT **81110-73-8P**, Racecadotril **135038-57-2P**, Fasidotril
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(synthesis of N-(mercaptoacyl) amino acid derivs. from .alpha.-substituted acrylic acids)

IT **87428-99-7P 135798-66-2P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(synthesis of N-(mercaptoacyl) amino acid derivs. from .alpha.-substituted acrylic acids)

L26 ANSWER 2 OF 11 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2001:137173 HCAPLUS
 DOCUMENT NUMBER: 134:178396
 TITLE: Synthesis, activity and formulations of pharmaceutical compounds for treatment of oxidative stress and/or endothelial dysfunction
 INVENTOR(S): Del Soldato, Piero
 PATENT ASSIGNEE(S): Nicox S.A., Fr.
 SOURCE: PCT Int. Appl., 94 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001012584	A2	20010222	WO 2000-EP7225	20000727
WO 2001012584	A3	20020829		
W:	AE, AL, AU, BA, BB, BG, BR, CA, CN, CR, CU, CZ, DM, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, BG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
BR 2000013264	A	20020416	BR 2000-13264	20000727
EP 1252133	A2	20021030	EP 2000-953102	20000727
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL			
NO 2002000623	A	20020409	NO 2002-623	20020208
PRIORITY APPLN. INFO.:			IT 1999-MI1817	A 19990812
			WO 2000-EP7225	W 20000727

OTHER SOURCE(S): MARPAT 134:178396

AB Comps. or their salts of general formula (I): A-B-N(O)_s wherein: s is an integer equal to 1 or 2; A = R-Tl-, wherein R is the drug radical and Tl = (CO)t or (X)t', wherein X = O, S, NR1c, R1c is H or a linear or branched alkyl or a free valence, t and t' are integers and equal to zero or 1, with the proviso that t = 1 when t' = 0; t = 0 when t' = 1; B = -TB -X2-O- wherein TB = (CO) when t = 0, TB = X when t' = 0, X being as above defined; X2, bivalent radical, is such that the precursor drug of A and the precursor of B meet resp. the pharmacol. tests described in the description. Synthesis, activity and formulations of pharmaceutical compds. for treatment of oxidative stress and/or endothelial dysfunction are disclosed. The precursors are such as to meet the pharmacol. test reported in the description.

IT 76721-89-6, Thiorphan

RL: RCT (Reactant); RACT (Reactant or reagent)
 (analgesic; synthesis, activity and formulations of pharmaceutical compds. for treatment of oxidative stress and/or endothelial dysfunction)

IT 115-68-4, Sulfadiazine

RL: RCT (Reactant); RACT (Reactant or reagent)
 (antibiotic; synthesis, activity and formulations of pharmaceutical compds. for treatment of oxidative stress and/or endothelial dysfunction)

IT 81110-73-8, Acetorphan

RL: RCT (Reactant); RACT (Reactant or reagent)
 (antithrombotic; synthesis, activity and formulations of pharmaceutical compds. for treatment of oxidative stress and/or endothelial dysfunction)

IT 4803-27-4, Anthramycin

RL: RCT (Reactant); RACT (Reactant or reagent)

(antitumor; synthesis, activity and formulations of pharmaceutical compds. for treatment of oxidative stress and/or endothelial dysfunction)

L26 ANSWER 3 OF 11 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2000:742057 HCAPLUS

DOCUMENT NUMBER: 133:309791

TITLE: Synthesis, activity and formulations of pharmaceutical compounds for treatment of oxidative stress and/or endothelial dysfunction

INVENTOR(S): Del Soldato, Piero

PATENT ASSIGNEE(S): Nicox S.A., Fr.

SOURCE: PCT Int. Appl., 140 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061541	A2	20001019	WO 2000-EP3239	20000411
WO 2000061541	A3	20010927		
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, DM, EE, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
IT 1311923	B1	20020320	IT 1999-MI752	19990413
BR 2000009703	A	20020108	BR 2000-9703	20000411
EP 1169298	A2	20020109	EP 2000-926870	20000411
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002541236	T2	20021203	JP 2000-610818	20000411
NO 2001004928	A	20011213	NO 2001-4928	20011010

PRIORITY APPLN. INFO.: IT 1999-MI752 A 19990413
WO 2000-EP3239 W 20000411

OTHER SOURCE(S): MARPAT 133:309791

AB Synthesis, activity and formulations of pharmaceutical compds. for treatment of oxidative stress and/or endothelial dysfunction are disclosed. The precursors are such as to meet the pharmacol. test reported in the description.

IT 76721-89-6, Thiorphan

RL: RCT (Reactant); RACT (Reactant or reagent)
(analgesic; synthesis, activity and formulations of pharmaceutical compds. for treatment of oxidative stress and/or endothelial dysfunction)

IT 115-68-4, Sulfadicramide

RL: RCT (Reactant); RACT (Reactant or reagent)
(antibiotic; synthesis, activity and formulations of pharmaceutical compds. for treatment of oxidative stress and/or endothelial dysfunction)

IT 81110-73-8, Acetorphan

RL: RCT (Reactant); RACT (Reactant or reagent)
(antithrombotic; synthesis, activity and formulations of pharmaceutical compds. for treatment of oxidative stress and/or endothelial dysfunction)

IT 4803-27-4, Anthramycin

RL: RCT (Reactant); RACT (Reactant or reagent)
(antitumor; synthesis, activity and formulations of pharmaceutical compds. for treatment of oxidative stress and/or endothelial dysfunction)

dysfunction)

L26 ANSWER 4 OF 11 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 2000:742053 HCAPLUS
 DOCUMENT NUMBER: 133:310142
 TITLE: Synthesis, activity and formulations of pharmaceutical compounds for treatment of oxidative stress and/or endothelial dysfunction
 INVENTOR(S): Del Soldato, Piero
 PATENT ASSIGNEE(S): Nicox S.A., Fr.
 SOURCE: PCT Int. Appl., 159 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000061537	A2	20001019	WO 2000-EP3234	20000411
WO 2000061537	A3	20001027		
W: AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, DM, EE, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MA, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
IT 1311924	B1	20020320	IT 1999-MI753	19990413
BR 2000009702	A	20020108	BR 2000-9702	20000411
EP 1169294	A2	20020109	EP 2000-925203	20000411
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002541233	T2	20021203	JP 2000-610814	20000411
NO 2001004927	A	20011213	NO 2001-4927	20011010
PRIORITY APPLN. INFO.:			IT 1999-MI753	A 19990413
			WO 2000-EP3234	W 20000411

OTHER SOURCE(S): MARPAT 138:310142
 AB Compds. A-B-C-N(O)s and A-Cl[N(O)s]-B1 or their salts [s is an integer 1 or 2, preferably s = 2; A is the radical of a drug and is such as to meet the pharmacol. tests reported in the description; C and Cl are two bivalent radicals; the precursors of the radicals B and B1 are such as to meet the pharmacol. test reported in the description] were prepd. for use as pharmaceuticals. Thus, (S,S)-N-acetyl-S-(6-methoxy-.alpha.-methyl-2-naphthalenylacetyl)cysteine 4-nitroxybutyl ester was prepd. (NCX 2101) from naproxene and N-acetylcysteine in the first of 28 synthetic examples given. Pharmacol. test examples and tabular data are also given.
 IT 115-68-4, Sulfadiazamide 4803-27-4, Anthracycline
 81110-73-8, Acetorphan
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (drug precursor)

L26 ANSWER 5 OF 11 HCAPLUS COPYRIGHT 2003 ACS
 ACCESSION NUMBER: 1997:563102 HCAPLUS
 DOCUMENT NUMBER: 127:220985
 TITLE: Beta-thiopropionyl-amino acid derivatives and their use as beta-lactamase inhibitors
 INVENTOR(S): Bateson, John Hargreaves; Witty, David R.; Gasson, Brian Charles; Best, Desmond John; Payne, David John
 PATENT ASSIGNEE(S): Smithkline Beecham PLC, UK; Bateson, John Hargreaves; Witty, David R.; Gasson, Brian Charles; Best, Desmond John; Payne, David John
 SOURCE: PCT Int. Appl., 85 pp.

DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9730027	A1	19970821	WO 1997-EP516	19970203
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2245830	AA	19970821	CA 1997-2245830	19970203
AU 9717669	A1	19970902	AU 1997-17669	19970203
EP 900197	A1	19990310	EP 1997-903220	19970203
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
JP 2000506120	T2	20000523	JP 1997-528946	19970203
US 6048852	A	20000411	US 1999-125245	19990113
PRIORITY APPLN. INFO.:				
			GB 1996-2860	A 19960213
			GB 1996-10907	A 19960524
			GB 1996-19147	A 19960913
			WO 1997-EP516	W 19970203
OTHER SOURCE(S): MARPAT 127:220985				
AB	Amino acid derivs. R4SCR5R6CHR3CONR2CHR1CO2R [R = H, a salt forming cation or an in vivo hydrolyzable ester-forming group; R1 = H, alkyl optionally substituted by up to three halogen atoms or by a mercapto, alkoxy, hydroxy, amino, nitro, carboxy, alkylcarbonyloxy, alkoxy carbonyl, formyl or alkylcarbonyl, cycloalkyl, cycloalkylalkyl, alkenyl, alkynyl, aryl, arylalkyl, heterocyclyl, or heterocyclylalkyl; R2 = H, alkyl, or arylalkyl; R3 = H, alkyl optionally substituted by up to three halogen atoms, cycloalkyl, fused arylcycloalkyl, cycloalkylalkyl, alkenyl, alkynyl, aryl, arylalkyl, heterocyclyl, or heterocyclylalkyl; R4 = H or an in vivo hydrolyzable acyl group; R5, R6 = H, alkyl or R5R6 = di- to pentamethylene] were prepd. as beta-lactamase inhibitors. Pharmaceutical compns. which comprise the title compds. together with a .beta.-lactam antibiotic in a synergistically effective amt. are claimed. Thus, N-[2'-benzyl-3'-mercaptopropionyl]-D-phenylglycine was prepd. and assayed for antibacterial activity (min. inhibitory concn. = >128 .mu.g/mL). The min. inhibitory concn. of meropenem was 32 .mu.g/mL in the presence of 8 .mu.g/mL the above synthetic compd.			
IT	76721-89-6P, Thiorphan 81110-05-6P 195070-32-7P 195070-33-8P 195071-24-0P 195071-25-1P 195071-54-6P			
	RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)			
	(beta-thiopropionyl amino acid derivs. and their use as beta-lactamase inhibitors)			
IT	95908-99-9P 95909-00-5P 195069-63-7P 195069-64-8P			
	RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)			
	(beta-thiopropionyl amino acid derivs. and their use as beta-lactamase inhibitors)			

L26 ANSWER 6 OF 11 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1991:536779 HCAPLUS

DOCUMENT NUMBER: 115:136779

TITLE: Preparation of racemic and optically active acylamino

acids as inhibitors of enkephalinase and angiotensin converting enzyme

INVENTOR(S): Plaquevent, Jean Christophe; Danvy, Denis; Monteil, Thierry; Greciet, Helene; Duhamel, Lucette; Duhamel, Pierre; Gros, Claude; Schwartz, Jean Charles; Lecomte, Jeanne Marie

PATENT ASSIGNEE(S): Societe Civile Bioprojet, Fr.

SOURCE: Eur. Pat. Appl., 76 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 419327	A1	19910327	EP 1990-402530	19900914
EP 419327	B1	19940727		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
FR 2652087	A1	19910322	FR 1989-12142	19890915
FR 2652087	B1	19931015		
CA 2039706	AA	19910316	CA 1990-2039706	19900914
WO 9104246	A1	19910404	WO 1990-FR659	19900914
W: CA, JP, KR, US				
JP 04501868	T2	19920402	JP 1990-513289	19900914
JP 3249510	B2	20020121		
ES 2057477	T3	19941016	ES 1990-402530	19900914
US 5599951	A	19970204	US 1995-422652	19950414
US 5670531	A	19970923	US 1995-462590	19950605
US 5846956	A	19981208	US 1997-889094	19970707
PRIORITY APPLN. INFO.:			FR 1989-12142	A 19890915
			WO 1990-FR659	W 19900914
			US 1991-689238	B1 19910613
			US 1993-103156	B1 19930809
			US 1995-422652	A3 19950414
			US 1995-462590	A3 19950605

OTHER SOURCE(S): MARPAT 115:136779

AB R1CH2CHXCONHCHR2CO2H and R1CH: CXCONHCHR2CO2H [I, II; R1 = benzoheterocyclyl, e.g., 3,4-(methylenedioxy)phenyl (Q); R2 = alkyl, hydroxyalkyl, Ph, phenylalkyl, etc.; X = CH2SH, NHCHR3CO2H, etc.; R3 = alkyl, alkoxy, benzyl (HO)2P(O)(CH2)m, NHP(O)(OH)2; m = 0, 1], were prepd. QCH2C(:CH2)CO2H (prepn. given) was heated with HSAc 24 h at 70.degree. to give 100% QCH2CH(CH2SAc)CO2H, which was condensed with benzyl glycinate in THF contg. 1-hydroxy-1H-benzotriazole to give 88% QCH2CH(CH2SAc)CONHCO2CH2Ph, whose hydrolysis gave 72% I [R1 = Q, X = CH2SH, R2 = H], which had an IC50 of 8 nM against enkephalinase according to the procedure of Giros et al (1987).

IT 135038-58-3P 135038-59-4P 135793-24-7P
135793-25-8P 135793-26-9P 135793-27-0P
135793-28-1P 135793-29-2P 135793-37-2P
135793-38-3P 135793-39-4P 135793-40-7P
135793-41-8P 135793-42-9P 135793-43-0P
135793-44-1P 135793-45-2P 135793-46-3P
135793-47-4P 135793-48-5P 135793-49-6P
135793-50-9P 135793-51-0P 135793-52-1P
135793-53-2P 135793-54-3P 135793-71-4P
135794-10-4P 135794-11-5P 135794-12-6P
135794-13-7P 135794-14-8P 135794-15-9P
135910-50-8P 135910-51-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as inhibitor of enkephalinase and angiotensin converting enzyme)

IT 135798-83-3P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for enkephalinase and angiotensin
converting enzyme inhibitor)

IT 135038-56-1P 135038-57-2P 135793-72-5P
135793-73-6P 135793-74-7P 135793-76-9P
135793-77-0P 135793-79-2P 135793-82-7P
135793-83-8P 135793-85-0P 135794-17-1P
135794-18-2P 135794-19-3P 135794-20-6P
135794-21-7P 135794-22-8P 135794-23-9P
135794-34-2P 135794-35-3P 135794-36-4P
135794-37-5P 135794-38-6P 135794-40-0P
135794-41-1P 135794-42-2P 135794-44-4P
135794-45-5P 135798-66-2P 135798-68-4P
135798-71-9P 135798-73-1P 135824-77-0P
135824-78-1P 135824-79-2P 135824-80-5P
135824-81-6P 135910-53-1P 135910-56-4P
135910-60-0P 135911-61-4P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for inhibitors of enkephalinase and
angiotensin converting enzyme)

L26 ANSWER 7 OF 11 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1990:56688 HCAPLUS
DOCUMENT NUMBER: 112:56688
TITLE: Amino acid and peptide derivatives as inhibitors of
neutral endopeptidase and their use as
antihypertensives and diuretics
INVENTOR(S): Delaney, Norma G.; Gordon, Eric M.; DeForrest, Jack
M.; Cushman, David W.
PATENT ASSIGNEE(S): Squibb, E. R., and Sons, Inc., USA
SOURCE: Ger. Offen., 53 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3819539	A1	19881222	DE 1988-3819539	19880608
CA 1337400	A1	19951024	CA 1988-566338	19880509
GB 2207351	A1	19890201	GB 1988-13372	19880606
GB 2207351	B2	19910918		
FR 2616070	A1	19881209	FR 1988-7626	19880608
PRIORITY APPLN. INFO.:			US 1987-59072	19870608

OTHER SOURCE(S): MARPAT 112:56688

AB Administration of .gtoreq.1 inhibitor of neutral endopeptidase, optionally
together with an antihypertensive agent such as an angiotensin-converting
enzyme inhibitor, produces diuresis, natriuresis, and lowering of the
blood pressure. The endopeptidase inhibitor is an amino acid or peptide
deriv. or related compd. with a structure represented by any of 10 Markush
line formulas, e.g. $R_4S(CH_2)_2CHR_2CONHCHR_1(CH_2)_nCO_2R_3$ [$R_1, R_2 = H$,
(substituted) alkyl, cycloalkyl, (substituted) aryl or aralkyl; $R_3 = H$,
lower alkyl, $PhCH_2$, Ph_2CH , ion; $R_4 = H$, acyl; $m = 0, 1$; $n = 0-15$].
N-[2-(Mercaptomethyl)-1-oxo-3-phenylpropyl]-L-leucine (I) was prepd. by
reaction of 3-acetylthio-2-benzylpropionic acid with oxalyl chloride, then
with L-leucine Me ester.HCl, and sapon; I inhibited rat kidney neutral
endopeptidase in vitro by 50% at 0.0066 .mu.M, decreased the mean arterial
pressure in DOCA-hypertensive rats by 65 mm Hg at 300 .mu.mol/kg i.v., and
increased urinary Na^+ excretion 2.4-fold in rats at 100 mg/kg i.v.

IT 124735-34-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

Handwritten: # Synthesis

(prepn. and sapon. of, in antihypertensive neutral endopeptidase inhibitor prepn.)

IT **124818-07-1P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. and sapon. of, in prepn. of antihypertensive neutral endopeptidase inhibitor)

IT **124735-06-4P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. and saponification of, in antihypertensive neutral endopeptidase inhibitor prepn.)

IT **76721-89-6P 81110-07-8P 88728-44-3P 88728-45-4P 124818-14-0P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, as antihypertensive neutral endopeptidase inhibitor)

IT **76932-18-8P**
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of, in antihypertensive neutral endopeptidase inhibitor prepn.)

IT **81110-06-7 124818-15-1**
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (sapon. of, in antihypertensive neutral endopeptidase inhibitor prepn.)

L26 ANSWER 8 OF 11 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1989:633664 HCAPLUS

DOCUMENT NUMBER: 111:233664

TITLE: Preparation and testing of N-acylamino acid amides as renin inhibitors

INVENTOR(S): Morishima, Hajime; Koike, Yutaka; Nakano, Masato; Atsuumi, Shugo; Tanaka, Seiichi; Matsuyama, Kenji

PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Japan

SOURCE: Eur. Pat. Appl., 116 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 309766	A2	19890405	EP 1988-114374	19880902
EP 309766	A3	19900613		
EP 309766	B1	19980415		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AT 165085	E	19980515	AT 1988-114374	19880902
US 5122523	A	19920616	US 1988-240725	19880906
JP 02062856	A2	19900302	JP 1988-236728	19880921
JP 05087062	B4	19931215		
AU 8822992	A1	19890406	AU 1988-22992	19880929
AU 620820	B2	19920227		
CN 1032786	A	19890510	CN 1988-109019	19880929
US 5240924	A	19930831	US 1991-815412	19911231
US 5319082	A	19940607	US 1992-868140	19920414
US 5481036	A	19960102	US 1994-179195	19940110
US 5506356	A	19960409	US 1995-375738	19950120
PRIORITY APPLN. INFO.:			JP 1987-244934	19870929
			EP 1988-114374	19880902
			US 1988-240725	19880906
			US 1992-868140	19920414
			US 1994-179195	19940110

OTHER SOURCE(S): MARPAT 111:233664

AB R1S(O)m(CH2)nCHR2CONR3CHR4CONR5CHR6CH(OH)A [I; R1,R2,R4,R6 = H, (substituted) alkyl, cycloalkyl, cycloalkylalkyl, aryl, aralkyl, (bi)cyclic heterocyclic group contg. 1-4 heteroatoms chosen from N, S, and

O; R3,R5 = H, alkyl; A = CH(OH)(CH₂)_qR₇; R₇ = R₁, amino, alkylsulfonyl, etc.; m = 0-2; n = 1-5; q = 0-5], useful as renin inhibitors, were prepd. I are orally active antihypertensives with prolonged duration of action. L-N-[3-Ethylsulfonyl-2-(1-naphthylmethyl)propionyl]norleucine in DMF at -15.degree. was treated with Et₃N, N₃P(O)(OPh)₂, and (2RS,3RS,4S)-4-amino-5-cyclohexyl-1-morpholino-2,3-pentanediol (prepn. given) in DMF. The mixt. was stirred overnight to give (2RS,3RS,4S)-4-[L-N-[3-ethylsulfonyl-2-(1-naphthylmethyl)propionyl]norleucyl]amino-5-cyclohexyl-1-morpholino-2,3-pentanediol (II). I inhibited human plasma renin in vitro with IC₅₀'s of 9.7 .times. 10⁻⁹-1.7 .times. 10⁻¹⁰ M. II at 30 ng/kg orally in marmosets reduced blood pressure by .apprx.20 mm Hg after .apprx.30 min. II at 10 mg/mg orally in rats showed plasma levels of 267 ng/mL after 30 min, 183 ng/mL after 1 h, and 34 ng/mL after 4 h.

IT 123878-48-8

RL: RCT (Reactant); RACT (Reactant or reagent)
(amidation of, by aminocyclohexyl(methylpiperidino)pentanediol, in
prepn. of renin inhibitor)

IT 123802-96-0 123803-45-2

RL: RCT (Reactant); RACT (Reactant or reagent)
(amidation of, by aminocyclohexylmorpholinopentanediol, in prepn. of
renin inhibitor)

IT 123803-45-2

RL: RCT (Reactant); RACT (Reactant or reagent)
(condensation of, with aminohydroxyoctanoic acid amide deriv., in
prepn. of renin inhibitor)

IT 123803-71-4P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(prepn. and oxidn. of, in prepn. of renin inhibitor)

IT 123801-80-9P 123801-81-0P 123801-82-1P

123801-84-3P 123801-85-4P 123801-86-5P

123801-87-6P 123801-95-6P 123801-96-7P

123802-02-8P 123802-42-6P 123802-43-7P

123802-45-9P 123802-46-0P 123802-48-2P

123802-49-3P 123802-50-6P 123802-51-7P

123802-52-8P 123802-53-9P 123802-56-2P

123802-61-9P 123802-62-0P 123802-63-1P

123802-64-2P 123802-65-3P 123802-81-3P

123802-83-5P 123802-85-7P 123802-88-0P

123802-89-1P 123802-90-4P 123802-91-5P

123802-92-6P 123802-94-8P 123802-95-9P

123802-96-0P 123803-26-9P 123803-28-1P

123803-30-5P 123803-31-6P 123803-32-7P

123803-33-8P 123803-42-9P 123803-43-0P

123803-44-1P 123803-45-2P 123803-53-2P

123803-54-3P 123803-55-4P 123803-56-5P

123803-70-3P 123803-72-5P 123833-68-1P

123833-69-2P 123833-70-5P 123833-79-4P

123833-82-9P 123878-45-5P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as intermediate for renin inhibitor)

L26. ANSWER 9 OF 11 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1984:39596 HCAPLUS

DOCUMENT NUMBER: 100:39596

TITLE: Enkephalinase inhibitors

INVENTOR(S): Greenberg, Roland; Cushman, David W.; Vogt, Richard;
Weisenborn, Frank L.; Antonaccio, Michael J.

PATENT ASSIGNEE(S): Squibb, E. R., and Sons, Inc., USA

SOURCE: U.S., 9 pp.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4401677	A	19830830	US 1981-310192	19811009
US 4474795	A	19841002	US 1983-499107	19830527
US 4474799	A	19841002	US 1983-499119	19830527
PRIORITY APPLN. INFO.:			US 1981-310192	19811009

OTHER SOURCE(S): CASREACT 100:39596

AB Enkephalinase [70025-49-9] is inhibited by HSCH₂CHR₁CONHCHR₂CO₂H [R₁ = C₁-4 alkyl, PhCH₂, and PhCH₂CH₂, R₂ = C₁-4 alkyl, Ph(CH₂)_n, etc., n = 1-4}, and these inhibitors are used for the alleviation of pain and administered in tablets, capsules, etc. Thus, 3-hydroxy-N-(D-3-mercapto-2-methyl-1-oxopropyl)-L-tyrosine (I) [79617-70-2] was prepd. by the acylation of 3,4-dihydroxy-L-phenylalanine [59-92-7] with D-3-acetylthio-2-methylpropanoyl chloride [69570-39-4] in the presence of NaOH at 0.degree. at pH 9.0 and subsequent hydrolysis of the resulting N-(D-3-acetylthio-2-methyl-1-oxopropyl)-3-hydroxy-L-tyrosine [88336-15-6] with conc. NH₄OH. Tablets were prepd. each contg. 100 mg I.

IT 80970-02-1P 88320-92-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and hydrolysis of)

IT 88320-89-2P

RL: PREP (Preparation)
(prepn. of, as enkephalinase inhibitor)

L26 ANSWER 10 OF 11 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1983:558866 HCAPLUS

DOCUMENT NUMBER: 99:158866

TITLE: Amino acid derivatives and their therapeutic use

INVENTOR(S): Roques, Bernard; Schwart, Jean Charles; Lecomte, Jeanne Marie

PATENT ASSIGNEE(S): Fr.

SOURCE: Eur. Pat. Appl., 105 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 82088	A1	19830622	EP 1982-402314	19821216
EP 82088	B1	19860402		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
FR 2518088	A1	19830617	FR 1981-23488	19811216
FR 2518088	B1	19871127		
JP 58150547	A2	19830907	JP 1982-221060	19821216
JP 03046463	B4	19910716		
AT 18902	E	19860415	AT 1982-402314	19821216
US 4618708	A	19861021	US 1985-715764	19850325
US 4738803	A	19880419	US 1986-900814	19860822
PRIORITY APPLN. INFO.:			FR 1981-23488	19811216
			US 1982-449687	19821214
			EP 1982-402314	19821216
			US 1985-715764	19850325

OTHER SOURCE(S): CASREACT 99:158866

AB R-X-Y-Z-CHR₁COR₂ [R = phosphono, sulfo, amino, carbamoyl, alkyl; X = CH(CH₂)_nK₃ (n = 0-2; R₃ = H, (un)substituted alkyl, Ph, naphthyl, cyclohexyl, thienyl, etc.), C:CHR₃; Y = CO, NH, CH₂CO; Z = CO, NR₄ (R₄ = alkyl, R₁R₄ = a ring); R₁ = H or (un)substituted alkyl or Ph; R₂ = OH or

(un)substituted alkyl, phenoxy, amino, etc.] were prepd. (101 compds. claimed). Thus, reaction of $\text{PhCH}_2\text{CHBrCO}_2\text{H}$ with $\text{PhCH}_2\text{ONH}_2$, followed by formylation and coupling with glycine benzyl ester tosylate gave $\text{PhCH}_2\text{ON}(\text{CHO})\text{CH}(\text{CH}_2\text{Ph})\text{CO-Gly-OCH}_2\text{Ph}$. The products are useful as enkephalinase inhibitors, analgesics, antidepressants, antidiuretics, and hypotensives. Thus, $\text{HON}(\text{CHO})\text{CH}_2\text{CH}(\text{CH}_2\text{Ph})\text{CO-Gly-NHCH}_2\text{C}_6\text{H}_4\text{F-p}$ was an effective analgesic, countering the effects of phenylbenzoquinone at 1 mg/kg i.v.

IT **87429-02-5P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and methylation of)

IT **87429-00-3P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and sapon. of)

IT **76932-18-8P 87429-01-4P 87438-79-7P****87454-28-2P**

RL: SPN (Synthetic preparation); PREP (Preparation).
(prepn. of)

IT **87428-99-7P**

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn., sapon., and sulfoxylation of)

L26 ANSWER 11 OF 11 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1981:157270 HCAPLUS

DOCUMENT NUMBER: 94:157270

TITLE: Mercaptoacyl peptides, their use as ACE inhibitors and in high pressure treatment

INVENTOR(S): Ondetti, Miguel A.; Pluscec, Josip

PATENT ASSIGNEE(S): Squibb, E. R., and Sons, Inc., USA

SOURCE: Ger. Offen., 33 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3012140	A1	19801023	DE 1980-3012140	19800328
AU 8056380	A1	19801009	AU 1980-56380	19800312
AU 537592	B2	19840705		
GB 2045771	A	19801105	GB 1980-8696	19800314
GB 2045771	B2	19830126		
ZA 8001527	A	19810325	ZA 1980-1527	19800314
NL 8001675	A	19801006	NL 1980-1675	19800321
FR 2453135	A1	19801031	FR 1980-6711	19800326
FR 2453135	B1	19830617		
NO 8000931	A	19801003	NO 1980-931	19800331
NO 150360	B	19840625		
NO 150360	C	19841003		
SE 8002512	A	19801003	SE 1980-2512	19800401
DK 8001404	A	19801003	DK 1980-1404	19800401
ES 490166	A1	19810401	ES 1980-490166	19800401
HU 181087	B	19830530	HU 1980-774	19800401
CH 645092	A	19840914	CH 1980-2571	19800401
BE 882601	A1	19801002	BE 1980-200091	19800402
JP 55133345	A2	19801017	JP 1980-44020	19800402
AT 8001794	A	19830615	AT 1980-1794	19800402
AT 373577	B	19840210		
US 4684660	A	19870804	US 1980-145516	19800501

PRIORITY APPLN. INFO.: US 1979-25701 19790402

AB Title peptides RS(CH₂)_nCHR₁CO-X-X₁-OH [R = H, alkanoyl, Bz, S(CH₂)_nCHR₁CO-X-X₁-OH; R₁ = H, alkyl, phenylalkyl; n = 0, 1; X and X₁ = .alpha.-amino acid or .alpha.-imino acid residue] and their alkyl esters and salts were prepd. as antihypertensives (no data) due to their ability to inhibit angiotensin-converting enzyme. Thus, BOC-Val-Pro-OH (BOC = Me₃CO₂C) was BOC-deblocked and then acylated with AcSCH₂CO₂NSu (NSu = succinimido) to give AcSCH₂CO-Val-Pro-OH, which was deacetylated by aq. NH₃/MeOH to give HSCH₂CO-Val-Pro-OH.

IT **76932-18-8P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. and addn. reaction of, with thioacetic acid)

IT **76932-19-9P**
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. and peptide coupling of, with arginine)

=>
=>

=> select hit rn 126 1-11
 E1 THROUGH E172 ASSIGNED

=> fil reg
 FILE 'REGISTRY' ENTERED AT 16:53:06 ON 17 APR 2003
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2003 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 APR 2003 HIGHEST RN 503266-82-8
 DICTIONARY FILE UPDATES: 16 APR 2003 HIGHEST RN 503266-82-8

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
=>

=> d his 127-

(FILE 'HCAPLUS' ENTERED AT 16:52:42 ON 17 APR 2003)
 SELECT HIT RN L26 1-11

FILE 'REGISTRY' ENTERED AT 16:53:06 ON 17 APR 2003
 L27 171 S E1-E172
 L28 156 S L27 AND L5

=>
=>

=> d reg 128 1-156

1	RN	195071-54-6	REGISTRY
2	RN	195070-33-8	REGISTRY
3	RN	195070-32-7	REGISTRY
4	RN	195069-64-8	REGISTRY
5	RN	195069-63-7	REGISTRY
6	RN	135911-61-4	REGISTRY
7	RN	135910-60-0	REGISTRY
8	RN	135910-56-4	REGISTRY
9	RN	135910-53-1	REGISTRY
10	RN	135910-51-9	REGISTRY
11	RN	135910-50-8	REGISTRY
12	RN	135824-81-6	REGISTRY
13	RN	135824-80-5	REGISTRY
14	RN	135824-79-2	REGISTRY
15	RN	135824-78-1	REGISTRY
16	RN	135824-77-0	REGISTRY
17	RN	135798-83-3	REGISTRY
18	RN	135794-45-5	REGISTRY
19	RN	135794-44-4	REGISTRY
20	RN	135794-42-2	REGISTRY
21	RN	135794-41-1	REGISTRY
22	RN	135794-40-0	REGISTRY
23	RN	135794-38-6	REGISTRY
24	RN	135794-37-5	REGISTRY
25	RN	135794-36-4	REGISTRY
26	RN	135794-35-3	REGISTRY
27	RN	135794-34-2	REGISTRY
28	RN	135794-23-9	REGISTRY
29	RN	135794-22-8	REGISTRY
30	RN	135794-21-7	REGISTRY
31	RN	135794-20-6	REGISTRY
32	RN	135794-19-3	REGISTRY
33	RN	135794-18-2	REGISTRY
34	RN	135794-17-1	REGISTRY
35	RN	135794-15-9	REGISTRY
36	RN	135794-14-8	REGISTRY
37	RN	135794-13-7	REGISTRY
38	RN	135794-12-6	REGISTRY
39	RN	135794-11-5	REGISTRY
40	RN	135794-10-4	REGISTRY
41	RN	135793-85-0	REGISTRY
42	RN	135793-83-8	REGISTRY
43	RN	135793-82-7	REGISTRY
44	RN	135793-79-2	REGISTRY
45	RN	135793-77-0	REGISTRY
46	RN	135793-76-9	REGISTRY
47	RN	135793-74-7	REGISTRY
48	RN	135793-73-6	REGISTRY
49	RN	135793-72-5	REGISTRY
50	RN	135793-71-4	REGISTRY
51	RN	135793-54-3	REGISTRY
52	RN	135793-53-2	REGISTRY
53	RN	135793-52-1	REGISTRY
54	RN	135793-51-0	REGISTRY
55	RN	135793-50-9	REGISTRY
56	RN	135793-49-6	REGISTRY
57	RN	135793-48-5	REGISTRY
58	RN	135793-47-4	REGISTRY
59	RN	135793-46-3	REGISTRY
60	RN	135793-45-2	REGISTRY
61	RN	135793-44-1	REGISTRY

62	RN	135793-43-0	REGISTRY
63	RN	135793-42-9	REGISTRY
64	RN	135793-41-8	REGISTRY
65	RN	135793-40-7	REGISTRY
66	RN	135793-39-4	REGISTRY
67	RN	135793-38-3	REGISTRY
68	RN	135793-37-2	REGISTRY
69	RN	135793-29-2	REGISTRY
70	RN	135793-28-1	REGISTRY
71	RN	135793-27-0	REGISTRY
72	RN	135793-26-9	REGISTRY
73	RN	135793-25-8	REGISTRY
74	RN	135793-24-7	REGISTRY
75	RN	135038-59-4	REGISTRY
76	RN	135038-58-3	REGISTRY
77	RN	135038-57-2	REGISTRY
78	RN	135038-56-1	REGISTRY
79	RN	124818-15-1	REGISTRY
80	RN	124818-14-0	REGISTRY
81	RN	124818-07-1	REGISTRY
82	RN	124735-34-8	REGISTRY
83	RN	124735-06-4	REGISTRY
DR	76932-19-9, 151955-02-1		
84	RN	123878-48-8	REGISTRY
85	RN	123878-45-5	REGISTRY
86	RN	123833-82-9	REGISTRY
87	RN	123833-79-4	REGISTRY
88	RN	123833-70-5	REGISTRY
89	RN	123833-69-2	REGISTRY
90	RN	123833-68-1	REGISTRY
91	RN	123803-71-4	REGISTRY
92	RN	123803-70-3	REGISTRY
93	RN	123803-56-5	REGISTRY
94	RN	123803-55-4	REGISTRY
95	RN	123803-54-3	REGISTRY
96	RN	123803-53-2	REGISTRY
97	RN	123803-45-2	REGISTRY
98	RN	123803-44-1	REGISTRY
99	RN	123803-43-0	REGISTRY
100	RN	123803-42-9	REGISTRY
101	RN	123803-33-8	REGISTRY
102	RN	123803-32-7	REGISTRY
103	RN	123803-31-6	REGISTRY
104	RN	123803-30-5	REGISTRY
105	RN	123803-28-1	REGISTRY
106	RN	123803-26-9	REGISTRY
107	RN	123802-96-0	REGISTRY
108	RN	123802-95-9	REGISTRY
109	RN	123802-94-8	REGISTRY
110	RN	123802-92-6	REGISTRY
111	RN	123802-91-5	REGISTRY
112	RN	123802-90-4	REGISTRY
113	RN	123802-89-1	REGISTRY
114	RN	123802-88-0	REGISTRY
115	RN	123802-85-7	REGISTRY
116	RN	123802-83-5	REGISTRY
117	RN	123802-81-3	REGISTRY
118	RN	123802-65-3	REGISTRY
119	RN	123802-64-2	REGISTRY
120	RN	123802-63-1	REGISTRY
121	RN	123802-62-0	REGISTRY
122	RN	123802-61-9	REGISTRY
123	RN	123802-56-2	REGISTRY

124 RN 123802-53-9 REGISTRY
 125 RN 123802-52-8 REGISTRY
 126 RN 123802-51-7 REGISTRY
 127 RN 123802-50-6 REGISTRY
 128 RN 123802-49-3 REGISTRY
 129 RN 123802-48-2 REGISTRY
 130 RN 123802-46-0 REGISTRY
 131 RN 123802-45-9 REGISTRY
 132 RN 123802-43-7 REGISTRY
 133 RN 123802-42-6 REGISTRY
 134 RN 123802-02-8 REGISTRY
 135 RN 123801-96-7 REGISTRY
 136 RN 123801-95-6 REGISTRY
 137 RN 123801-87-6 REGISTRY
 138 RN 123801-86-5 REGISTRY
 139 RN 123801-85-4 REGISTRY
 140 RN 123801-84-3 REGISTRY
 141 RN 123801-82-1 REGISTRY
 142 RN 123801-81-0 REGISTRY
 143 RN 123801-80-9 REGISTRY
 144 RN 95909-00-5 REGISTRY
 145 RN 95908-99-9 REGISTRY
 146 RN 88728-45-4 REGISTRY
 147 RN 88728-44-3 REGISTRY
 148 RN 88320-89-2 REGISTRY
 149 RN 87454-28-2 REGISTRY
 150 RN 87438-79-7 REGISTRY
 151 RN 81110-73-8 REGISTRY
 DR 81110-60-3
 152 RN 81110-07-8 REGISTRY
 153 RN 81110-06-7 REGISTRY
 154 RN 81110-05-6 REGISTRY
 155 RN 80970-02-1 REGISTRY
 156 RN 76721-89-6 REGISTRY
 DR 107672-11-7, 225661-76-7

=>

=>

=> d ide can 128 1 2 4 6 7 12 17 18 41 75 79 82 84 86 91 107 135 144 145 146 148 149 150
151 155 156

L28 ANSWER 1 OF 156 REGISTRY COPYRIGHT 2003 ACS

RN 195071-54-6 REGISTRY

CN D-Leucine, N-[(2S)-2-[(acetylthio)methyl]-1-oxo-3-phenylpropyl]-, methyl ester, rel- (9CI) (CA INDEX NAME)

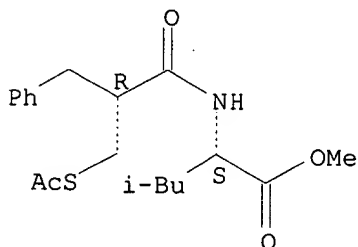
FS STEREOSEARCH

MF C19 H27 N O4 S

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Relative stereochemistry.

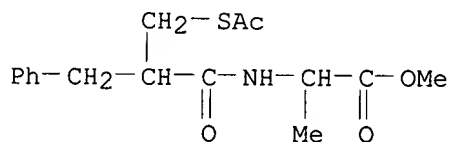


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 127:220985

L28 ANSWER 2 OF 156 REGISTRY COPYRIGHT 2003 ACS
 RN 195070-33-8 REGISTRY
 CN Alanine, N-[2-[(acetylthio)methyl]-1-oxo-3-phenylpropyl]-, methyl ester
 (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C16 H21 N O4 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

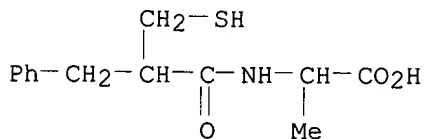


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 127:220985

L28 ANSWER 4 OF 156 REGISTRY COPYRIGHT 2003 ACS
 RN 195069-64-8 REGISTRY
 CN Alanine, N-[2-(mercaptomethyl)-1-oxo-3-phenylpropyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C13 H17 N O3 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

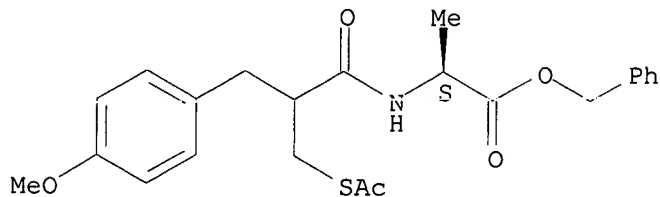
1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 127:220985

L28 ANSWER 6 OF 156 REGISTRY COPYRIGHT 2003 ACS
 RN 135911-61-4 REGISTRY
 CN L-Alanine, N-[3-(acetylthio)-2-[(4-methoxyphenyl)methyl]-1-oxopropyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

FS STEREOSEARCH
MF C23 H27 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



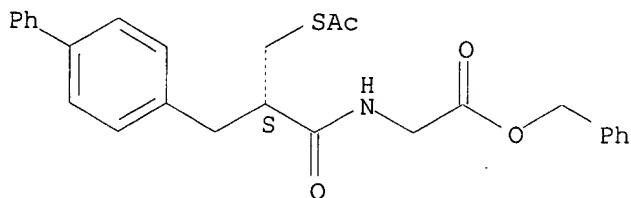
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 115:136779

L28 ANSWER 7 OF 156 REGISTRY COPYRIGHT 2003 ACS
RN **135910-60-0** REGISTRY
CN Glycine, N-[3-(acetylthio)-2-([1,1'-biphenyl]-4-ylmethyl)-1-oxopropyl]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C27 H27 N O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

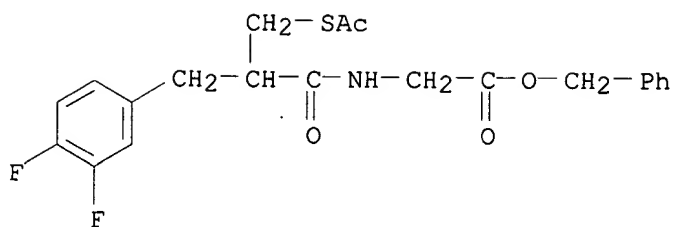


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 115:136779

L28 ANSWER 12 OF 156 REGISTRY COPYRIGHT 2003 ACS
RN **135824-81-6** REGISTRY
CN Glycine, N-[3-(acetylthio)-2-[(3,4-difluorophenyl)methyl]-1-oxopropyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Glycine, N-[3-(acetylthio)-2-[(3,4-difluorophenyl)methyl]-1-oxopropyl]-, phenylmethyl ester, (.+-.)-
FS 3D CONCORD
MF C21 H21 F2 N O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



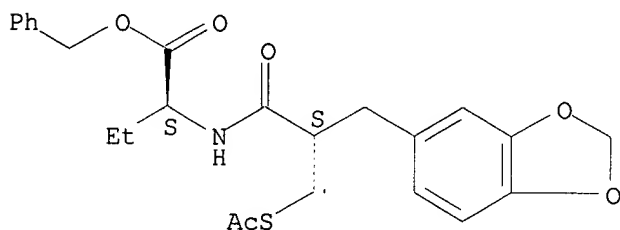
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 115:136779

L28 ANSWER 17 OF 156 REGISTRY COPYRIGHT 2003 ACS
RN **135798-83-3** REGISTRY
CN Butanoic acid, 2-[[3-(acetylthio)-2-(1,3-benzodioxol-5-ylmethyl)-1-oxopropyl]amino]-, phenylmethyl ester, [S-(R*,R*)]- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H27 N O6 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



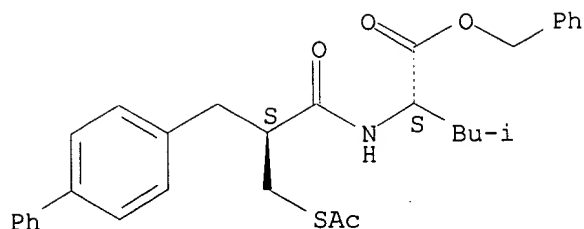
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 115:136779

L28 ANSWER 18 OF 156 REGISTRY COPYRIGHT 2003 ACS
RN **135794-45-5** REGISTRY
CN L-Leucine, N-[3-(acetylthio)-2-([1,1'-biphenyl]-4-ylmethyl)-1-oxopropyl]-, phenylmethyl ester, (S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C31 H35 N O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



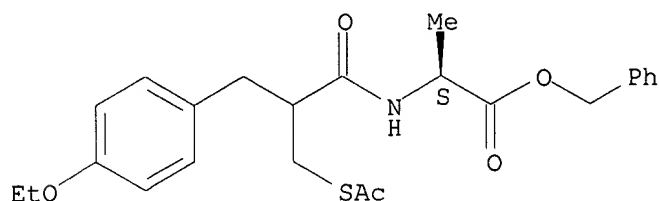
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 115:136779

L28 ANSWER 41 OF 156 REGISTRY COPYRIGHT 2003 ACS
RN 135793-85-0 REGISTRY
CN L-Alanine, N-[3-(acetylthio)-2-[(4-ethoxyphenyl)methyl]-1-oxopropyl]-,
phenylmethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H29 N O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



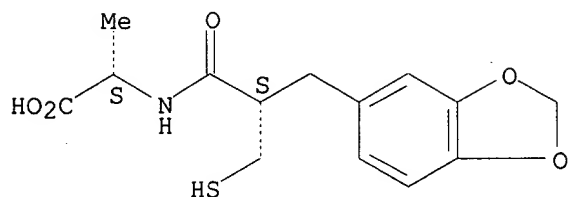
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 115:136779

L28 ANSWER 75 OF 156 REGISTRY COPYRIGHT 2003 ACS
RN 135038-59-4 REGISTRY
CN L-Alanine, N-[(2S)-3-(1,3-benzodioxol-5-yl)-2-(mercaptomethyl)-1-oxopropyl]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN L-Alanine, N-[3-(1,3-benzodioxol-5-yl)-2-(mercaptomethyl)-1-oxopropyl]-,
(S)-
OTHER NAMES:
CN Aladotrilat
CN Alatrioprilat
CN Fasidotrilat
FS STEREOSEARCH
MF C14 H17 N O5 S
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, DDFU, DRUGU, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
7 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 138:21218
REFERENCE 2: 129:23199
REFERENCE 3: 125:292619
REFERENCE 4: 124:135161
REFERENCE 5: 119:146591
REFERENCE 6: 115:136779
REFERENCE 7: 115:64338

L28 ANSWER 79 OF 156 REGISTRY COPYRIGHT 2003 ACS

RN **124818-15-1** REGISTRY

CN L-Leucine, N-[(2S)-2-[(acetylthio)methyl]-1-oxo-3-phenylpropyl]-, methyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN L-Leucine, N-[2-[(acetylthio)methyl]-1-oxo-3-phenylpropyl]-, methyl ester, (S)-

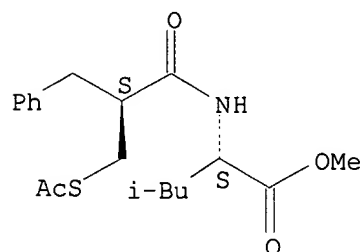
FS STEREOSEARCH

MF C19 H27 N O4 S

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:402027

REFERENCE 2: 112:56688

L28 ANSWER 82 OF 156 REGISTRY COPYRIGHT 2003 ACS

RN **124735-34-8** REGISTRY

CN L-Norleucine, N-[2-[(acetylthio)methyl]-1-oxo-3-phenylpropyl]- (9CI) (CA INDEX NAME)

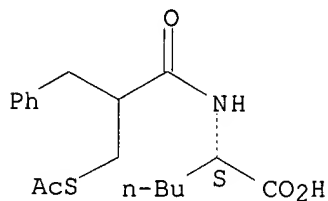
FS STEREOSEARCH

MF C18 H25 N O4 S

SR CA

LC STN Files: CA, CAPLUS

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 112:56688

L28 ANSWER 84 OF 156 REGISTRY COPYRIGHT 2003 ACS

RN **123878-48-8** REGISTRY

CN L-Norleucine, N-[2-[(ethylsulfonyl)methyl]-3-(1-naphthalenyl)-1-oxopropyl]-, (S)- (9CI) (CA INDEX NAME)

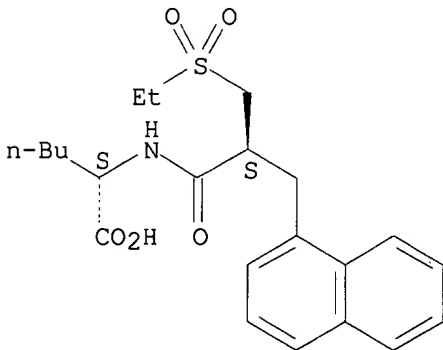
FS STEREOSEARCH

MF C22 H29 N O5 S

SR CA

LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

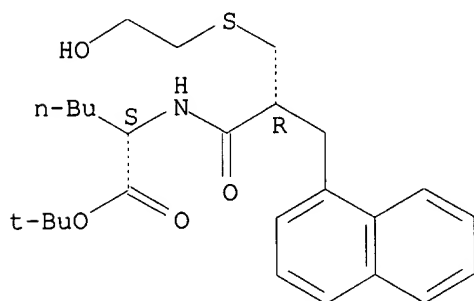
3 REFERENCES IN FILE CA (1962 TO DATE)

3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 122:81916
 REFERENCE 2: 113:153013
 REFERENCE 3: 111:233664

L28 ANSWER 86 OF 156 REGISTRY COPYRIGHT 2003 ACS
 RN 123833-82-9 REGISTRY
 CN L-Norleucine, N-[2-[(2-hydroxyethyl)thio)methyl]-3-(1-naphthalenyl)-1-oxopropyl]-, 1,1-dimethylethyl ester, (R)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C26 H37 N O4 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



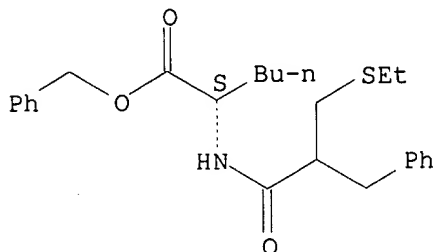
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 114:144034
 REFERENCE 2: 111:233664

L28 ANSWER 91 OF 156 REGISTRY COPYRIGHT 2003 ACS
 RN 123803-71-4 REGISTRY
 CN L-Norleucine, N-[2-[(ethylthio)methyl]-1-oxo-3-phenylpropyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C25 H33 N O3 S
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



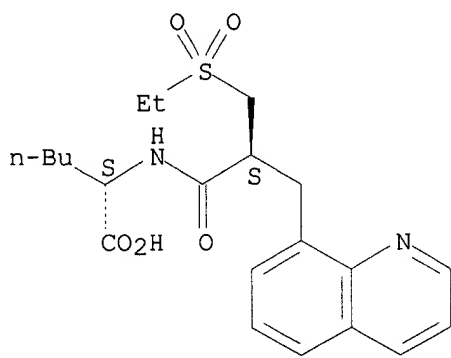
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 111:233664

L28 ANSWER 107 OF 156 REGISTRY COPYRIGHT 2003 ACS
RN **123802-96-0** REGISTRY
CN L-Norleucine, N-[2-[(ethylsulfonyl)methyl]-1-oxo-3-(8-quinolinyl)propyl]-,
(S)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C21 H28 N2 O5 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

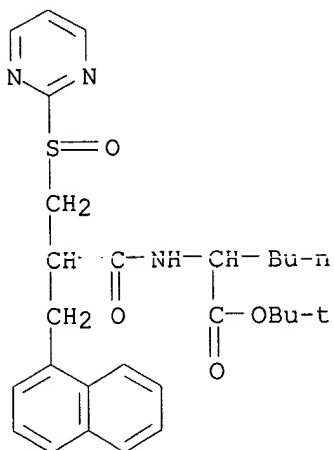


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 111:233664

L28 ANSWER 135 OF 156 REGISTRY COPYRIGHT 2003 ACS
RN **123801-96-7** REGISTRY
CN L-Norleucine, N-[2-(1-naphthalenylmethyl)-1-oxo-3-(2-pyrimidinylsulfinyl)propyl]-, 1,1-dimethylethyl ester, stereoisomer (9CI)
(CA INDEX NAME)
MF C28 H35 N3 O4 S
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 111:233664

L28 ANSWER 144 OF 156 REGISTRY COPYRIGHT 2003 ACS

RN 95909-00-5 REGISTRY

CN Glycine, N-[(2S)-2-(mercaptomethyl)-1-oxo-3-phenylpropyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycine, N-[2-(mercaptomethyl)-1-oxo-3-phenylpropyl]-, (S)-

OTHER NAMES:

CN (+)-Thiorphan

CN (S)-Thiorphan

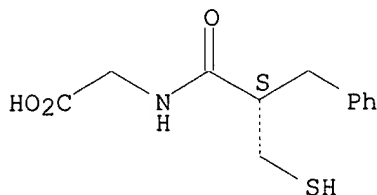
CN LY 171436

FS STEREOSEARCH

MF C12 H15 N O3 S

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

20 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
20 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:298177

REFERENCE 2: 135:131669

REFERENCE 3: 131:68492
 REFERENCE 4: 131:67635
 REFERENCE 5: 127:220985
 REFERENCE 6: 127:80998
 REFERENCE 7: 126:113674
 REFERENCE 8: 125:301516
 REFERENCE 9: 125:292619
 REFERENCE 10: 125:276489

L28 ANSWER 145 OF 156 REGISTRY COPYRIGHT 2003 ACS

RN 95908-99-9 REGISTRY

CN Glycine, N-[(2R)-2-(mercaptomethyl)-1-oxo-3-phenylpropyl]- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycine, N-[2-(mercaptomethyl)-1-oxo-3-phenylpropyl]-, (R)-

OTHER NAMES:

CN (-)-Thiorphan

CN (R)-Thiorphan

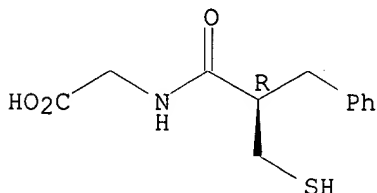
CN LY 134464

FS STEREOSEARCH

MF C12 H15 N O3 S

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAPLUS, CASREACT, USPATFULL
 (*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

13 REFERENCES IN FILE CA (1962 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

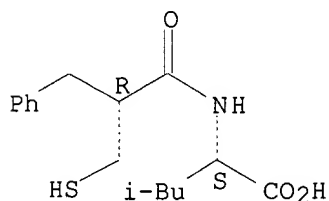
13 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 135:298177
 REFERENCE 2: 131:67635
 REFERENCE 3: 127:220985
 REFERENCE 4: 127:80998
 REFERENCE 5: 125:276489
 REFERENCE 6: 123:329281
 REFERENCE 7: 109:50703

REFERENCE 8: 108:68755
 REFERENCE 9: 108:33975
 REFERENCE 10: 104:182239

L28 ANSWER 146 OF 156 REGISTRY COPYRIGHT 2003 ACS
 RN **88728-45-4** REGISTRY
 CN L-Leucine, N-[(2R)-2-(mercaptomethyl)-1-oxo-3-phenylpropyl]- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN L-Leucine, N-[2-(mercaptomethyl)-1-oxo-3-phenylpropyl]-, (R)-
 FS STEREOSEARCH
 MF C16 H23 N O3 S
 LC STN Files: CA, CAPLUS

Absolute stereochemistry.



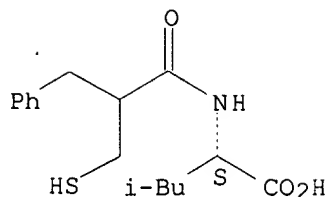
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1962 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:402027
 REFERENCE 2: 112:56688
 REFERENCE 3: 100:64059

L28 ANSWER 148 OF 156 REGISTRY COPYRIGHT 2003 ACS
 RN **88320-89-2** REGISTRY
 CN L-Leucine, N-[2-(mercaptomethyl)-1-oxo-3-phenylpropyl]-, monoammonium salt (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C16 H23 N O3 S . H3 N
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL
 CRN (80970-04-3)

Absolute stereochemistry.

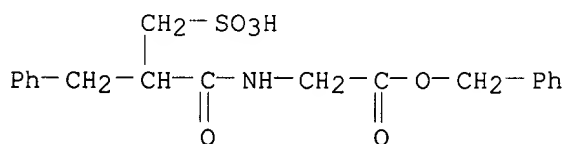


● NH₃

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 100:39596

L28 ANSWER 149 OF 156 REGISTRY COPYRIGHT 2003 ACS
RN **87454-28-2** REGISTRY
CN Glycine, N-[1-oxo-2-(phenylmethyl)-3-sulfopropyl]-, 1-(phenylmethyl) ester
(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H21 N O6 S
CI COM
LC STN Files: CA, CAPLUS, USPATFULL

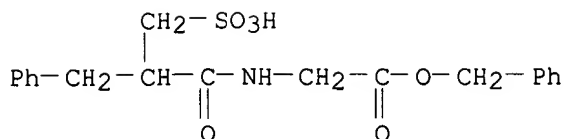


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 99:158866

L28 ANSWER 150 OF 156 REGISTRY COPYRIGHT 2003 ACS
RN **87438-79-7** REGISTRY
CN Glycine, N-[1-oxo-2-(phenylmethyl)-3-sulfopropyl]-, 1-(phenylmethyl)
ester, monosodium salt (9CI) (CA INDEX NAME)
MF C19 H21 N O6 S . Na
LC STN Files: CA, CAPLUS, USPATFULL
CRN (87454-28-2)



● Na

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 99:158866

L28 ANSWER 151 OF 156 REGISTRY COPYRIGHT 2003 ACS

RN 81110-73-8 REGISTRY

CN Glycine, N-[2-[(acetylthio)methyl]-1-oxo-3-phenylpropyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Glycine, N-[2-[(acetylthio)methyl]-1-oxo-3-phenylpropyl]-, phenylmethyl ester, (.-.-.)-

OTHER NAMES:

CN Acetorphan

CN Racecadotril

CN Tiorfan

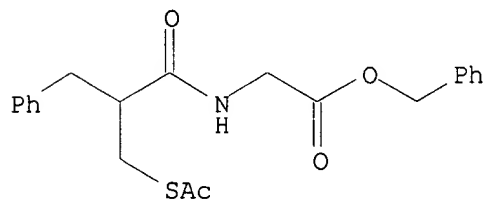
DR 81110-60-3

MF C21 H23 N O4 S

LC STN Files: ADISINSIGHT, ADISNEWS, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAPLUS, CASREACT, CBNB, CIN, DDFU, DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, IPA, MEDLINE, MRCK*, PHAR, PROMT, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPATFULL

(*File contains numerically searchable property data)

Other Sources: WHO



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

58 REFERENCES IN FILE CA (1962 TO DATE)

58 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 137:273031

REFERENCE 2: 136:355480

REFERENCE 3: 136:128808

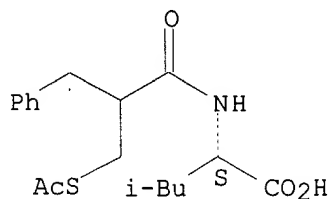
REFERENCE 4: 136:58842

REFERENCE 5: 136:58841

REFERENCE 6: 135:262362
 REFERENCE 7: 135:190150
 REFERENCE 8: 134:178396
 REFERENCE 9: 134:125777
 REFERENCE 10: 133:310142

L28 ANSWER 155 OF 156 REGISTRY COPYRIGHT 2003 ACS
 RN 80970-02-1 REGISTRY
 CN L-Leucine, N-[2-[(acetylthio)methyl]-1-oxo-3-phenylpropyl]- (9CI) (CA
 INDEX NAME)
 FS STEREOSEARCH
 MF C18 H25 N O4 S
 CI COM
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.

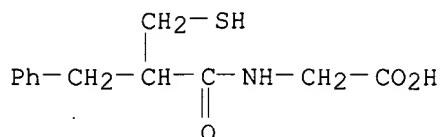


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 100:39596
 REFERENCE 2: 96:123301

L28 ANSWER 156 OF 156 REGISTRY COPYRIGHT 2003 ACS
 RN 76721-89-6 REGISTRY
 CN Glycine, N-[2-(mercaptomethyl)-1-oxo-3-phenylpropyl]- (9CI) (CA INDEX
 NAME)
 OTHER CA INDEX NAMES:
 CN Glycine, N-[2-(mercaptomethyl)-1-oxo-3-phenylpropyl]-, (.+-.)-
 OTHER NAMES:
 CN (.+-.)-Thiorphan
 CN Thiorphan
 FS 3D CONCORD
 DR 107672-11-7, 225661-76-7
 MF C12 H15 N O3 S
 LC STN Files: AGRICOLA, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA,
 CANCERLIT, CAPLUS, CASREACT, CHEMCATS, CSCHEM, DDFU, DRUGU, EMBASE, IPA,
 MEDLINE, MSDS-OHS, PHAR, PROMT, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

251 REFERENCES IN FILE CA (1962 TO DATE)

5 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

251 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 138:233955

REFERENCE 2: 138:21218

REFERENCE 3: 138:11438

REFERENCE 4: 137:357975

REFERENCE 5: 137:273209

REFERENCE 6: 137:268388

REFERENCE 7: 137:185774

REFERENCE 8: 137:87775

REFERENCE 9: 137:31487

REFERENCE 10: 136:303673

=>

=>

=> d his 129

(FILE 'REGISTRY' ENTERED AT 16:53:06 ON 17 APR 2003)

L29 15 S L27 NOT L28

=>

=>

=> d ide can 129 1-15

L29 ANSWER 1 OF 15 REGISTRY COPYRIGHT 2003 ACS

RN 195071-25-1 REGISTRY

CN Benzeneacetic acid, .alpha.-[[2-[(3,4-dihydroxyphenyl)methyl]-1-oxo-2-propenyl]amino]-, methyl ester, (R)- (9CI) (CA INDEX NAME)

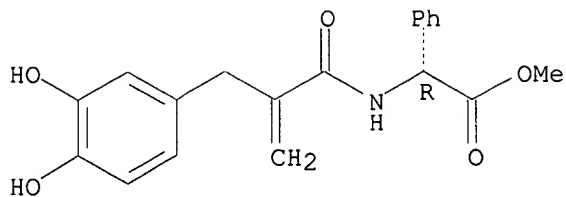
FS STEREOSEARCH

MF C19 H19 N O5

SR CA

LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



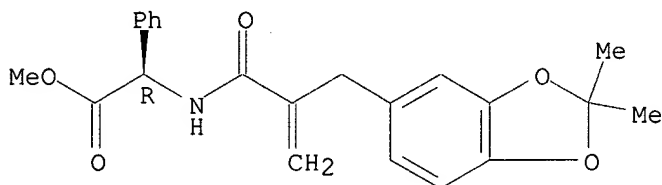
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 127:220985

L29 ANSWER 2 OF 15 REGISTRY COPYRIGHT 2003 ACS
RN **195071-24-0** REGISTRY
CN Benzeneacetic acid, .alpha.-[[2-[(2,2-dimethyl-1,3-benzodioxol-5-yl)methyl]-1-oxo-2-propenyl]amino]-, methyl ester, (R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C22 H23 N O5
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

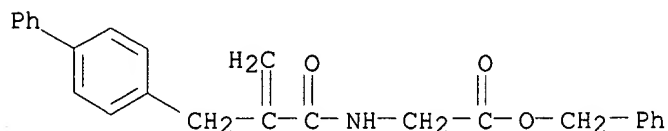


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 127:220985

L29 ANSWER 3 OF 15 REGISTRY COPYRIGHT 2003 ACS
RN **135798-73-1** REGISTRY
CN Glycine, N-[2-([1,1'-biphenyl]-4-ylmethyl)-1-oxo-2-propenyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C25 H23 N O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



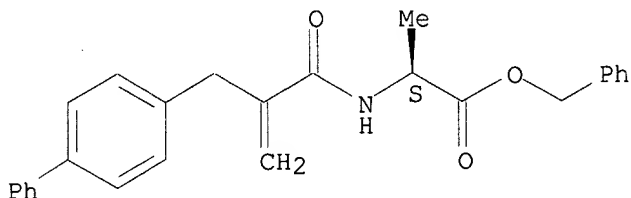
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 115:136779

L29 ANSWER 4 OF 15 REGISTRY COPYRIGHT 2003 ACS
RN **135798-71-9** REGISTRY
CN L-Alanine, N-[2-([1,1'-biphenyl]-4-ylmethyl)-1-oxo-2-propenyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C26 H25 N O3
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

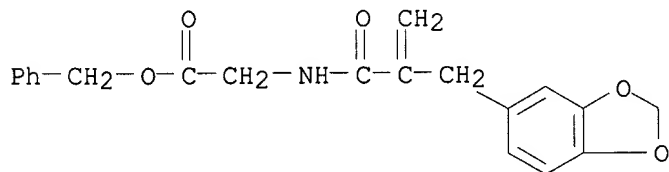


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 115:136779

L29 ANSWER 5 OF 15 REGISTRY COPYRIGHT 2003 ACS
RN **135798-68-4** REGISTRY
CN Glycine, N-[2-(1,3-benzodioxol-5-ylmethyl)-1-oxo-2-propenyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C20 H19 N O5
SR CA
LC STN Files: CA, CAPLUS, USPATFULL



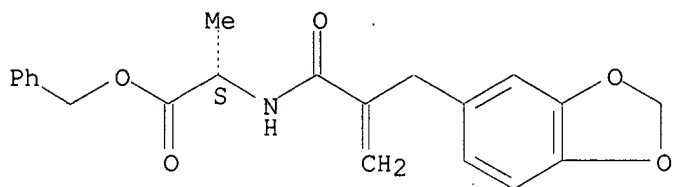
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 115:136779

L29 ANSWER 6 OF 15 REGISTRY COPYRIGHT 2003 ACS
 RN **135798-66-2** REGISTRY
 CN L-Alanine, N-[2-(1,3-benzodioxol-5-ylmethyl)-1-oxo-2-propenyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C21 H21 N O5
 SR CA
 LC STN Files: CA, CAPLUS, CASREACT, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

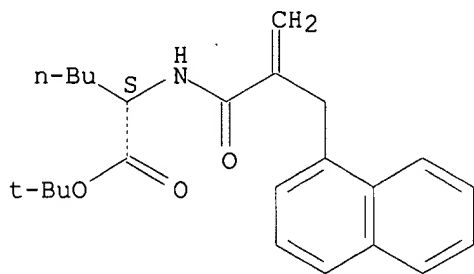
2 REFERENCES IN FILE CA (1962 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:355480

REFERENCE 2: 115:136779

L29 ANSWER 7 OF 15 REGISTRY COPYRIGHT 2003 ACS
 RN **123803-72-5** REGISTRY
 CN L-Norleucine, N-[2-(1-naphthalenylmethyl)-1-oxo-2-propenyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C24 H31 N O3
 SR CA
 LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

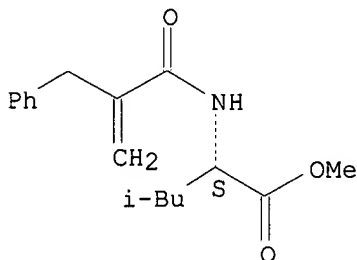
1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 111:233664

L29 ANSWER 8 OF 15 REGISTRY COPYRIGHT 2003 ACS
 RN **88320-92-7** REGISTRY

CN L-Leucine, N-(2-methylene-1-oxo-3-phenylpropyl)-, methyl ester (9CI) (CA
 INDEX NAME)
 FS STEREOSEARCH
 MF C17 H23 N O3
 LC STN Files: CA, CAPLUS, USPATFULL

Absolute stereochemistry.

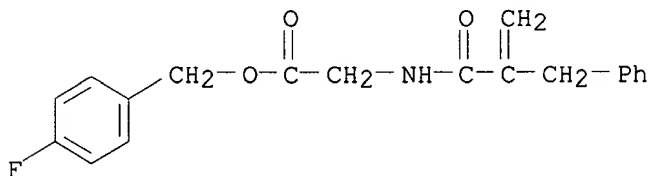


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 100:39596

L29 ANSWER 9 OF 15 REGISTRY COPYRIGHT 2003 ACS
 RN 87429-02-5 REGISTRY
 CN Glycine, N-[1-oxo-2-(phenylmethyl)-2-propenyl]-, (4-fluorophenyl)methyl
 ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H18 F N O3
 LC STN Files: CA, CAPLUS, USPATFULL

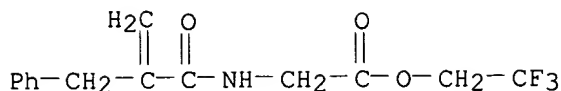


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 99:158866

L29 ANSWER 10 OF 15 REGISTRY COPYRIGHT 2003 ACS
 RN 87429-01-4 REGISTRY
 CN Glycine, N-[1-oxo-2-(phenylmethyl)-2-propenyl]-, 2,2,2-trifluoroethyl
 ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H14 F3 N O3
 LC STN Files: CA, CAPLUS, USPATFULL

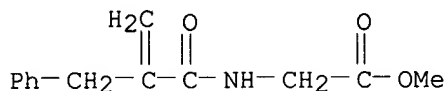


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 99:158866

L29 ANSWER 11 OF 15 REGISTRY COPYRIGHT 2003 ACS
RN **87429-00-3** REGISTRY
CN Glycine, N-[1-oxo-2-(phenylmethyl)-2-propenyl]-, methyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H15 N O3
LC STN Files: CA, CAPLUS, USPATFULL

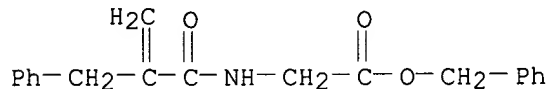


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 99:158866

L29 ANSWER 12 OF 15 REGISTRY COPYRIGHT 2003 ACS
RN **87428-99-7** REGISTRY
CN Glycine, N-[1-oxo-2-(phenylmethyl)-2-propenyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H19 N O3
LC STN Files: CA, CAPLUS, CASREACT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

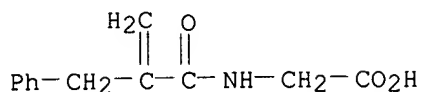
2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 136:355480

REFERENCE 2: 99:158866

L29 ANSWER 13 OF 15 REGISTRY COPYRIGHT 2003 ACS
RN **76932-18-8** REGISTRY
CN Glycine, N-[1-oxo-2-(phenylmethyl)-2-propenyl]- (9CI) (CA INDEX NAME)

FS 3D CONCORD
 MF C12 H13 N O3
 LC STN Files: CA, CAPLUS, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1962 TO DATE)
 3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

REFERENCE 1: 112:56688

REFERENCE 2: 99:158866

REFERENCE 3: 94:157270

L29 ANSWER 14 OF 15 REGISTRY COPYRIGHT 2003 ACS

RN 4803-27-4 REGISTRY

CN 2-Propenamide, 3-[(11R,11aS)-5,10,11,11a-tetrahydro-9,11-dihydroxy-8-methyl-5-oxo-1H-pyrrolo[2,1-c][1,4]benzodiazepin-2-yl]-, (2E)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Pyrrolo[2,1-c][1,4]benzodiazepine, 2-propenamide deriv.

CN 1H-Pyrrolo[2,1-c][1,4]benzodiazepine-2-acrylamide, 5,10,11,11a-tetrahydro-9,11-dihydroxy-8-methyl-5-oxo-, (E)- (8CI)

CN 2-Propenamide, 3-(5,10,11,11a-tetrahydro-9,11-dihydroxy-8-methyl-5-oxo-1H-pyrrolo[2,1-c][1,4]benzodiazepin-2-yl)-, [11R-[2(E),11.alpha.,11a.beta.]]-

CN Anthramycin (7CI)

OTHER NAMES:

CN 5,10,11,11a-Tetrahydro-9,11-dihydroxy-8-methyl-5-oxo-1H-pyrrolo[2,1-c][1,4]benzodiazepine-trans-2-acrylamide

CN Antramycin

CN NRRL 3143

CN NSC 106408

FS STEREOSEARCH

DR 11000-08-1, 29169-54-8

MF C16 H17 N3 O4

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CHEMLIST, DDFU, DRUGU, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, NIOSHTIC, PROMT, RTECS*, TOXCENTER, USAN, USPATFULL

(*File contains numerically searchable property data)

Other Sources: WHO

Absolute stereochemistry.

Double bond geometry as shown.

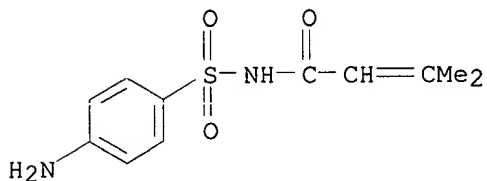
152 REFERENCES IN FILE CA (1962 TO DATE)
28 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
152 REFERENCES IN FILE CAPLUS (1962 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

```

L29  ANSWER 15 OF 15  REGISTRY  COPYRIGHT 2003 ACS
RN   115-68-4  REGISTRY
CN   2-Butenamide, N-[(4-aminophenyl)sulfonyl]-3-methyl- (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Crotonamide, 3-methyl-N-sulfanilyl- (6CI, 7CI, 8CI)
OTHER NAMES:
CN   Irgamid
CN   Irgamide
CN   N-Sulfanilyl-.beta.,.beta.-dimethylacrylamide
CN   N-Sulfanilylseneciamide
CN   N1-Senecioylsulfanilamide
CN   Sulfadicramide
CN   Sulfanildimethylacryloylamide
CN   Sulfauridin
CN   Sulfirgamid
CN   Sulfirgamide
FS   3D CONCORD
MF   C11 H14 N2 O3 S
CI   COM
LC   STN Files:  BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CHEMLIST, DDFU, DRUGO,
      EMBASE, IPA, MRCK*, TOXCENTER, USAN, USPATFULL
      (*File contains numerically searchable property data)

```


Other Sources: EINECS**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

51 REFERENCES IN FILE CA (1962 TO DATE)
 51 REFERENCES IN FILE CAPLUS (1962 TO DATE)
 14 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE	1:	137:299757
REFERENCE	2:	137:149790
REFERENCE	3:	134:178396
REFERENCE	4:	133:310142
REFERENCE	5:	133:309791
REFERENCE	6:	130:17153
REFERENCE	7:	129:99938
REFERENCE	8:	126:242963
REFERENCE	9:	126:79862
REFERENCE	10:	125:284938